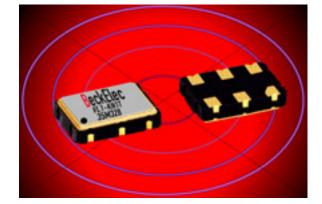
VL3 & VL4 5 mm x 7 mm Squarewave VCXOs



FEATURES

+3.3 Vdc or +5.0 Vdc ±100 PPM min. Pull Range Tri-State on Pad 2 Low profile 1.6 mm/.063 inch tall Hermetically sealed

APPLICATIONS ADSL Modems PCMCIA Modems

P/N VL3-K 16.384 MHz $K = \pm 50 \text{ ppm } 0 \text{ to } + 70^{\circ}\text{C}$ **3** = +3.3 Vdc **4** = +5.0 Vdc 5 STD FREQUENCY OPTIONS 2 to 40 MHz: 8.832 MHz 27.000 MHz #0 17.664 MHz 32.768 MHz 4 35.328 MHz (ADSL) 20.000 MHz 25.000 MHz STABILTY vs. TEMPERATURE OPTIONS¹: 7±0.15 **K** ±50 ppm 0 to +70°C L ±50 ppm -40 to +85°C 1) Includes load, supply and 1st year aging variations. Stability is relative to VC set to nominal frequency. Tri-state enables with no connection or at +2.0 Vdc 5.08 Minimum on Pad 2. Disable by 0 to 0.8 Vdc max. #2 #3 #1 **TUNING/LINEARITY VL3** \pm 90 ppm Minimum² 1.65 Vdc \pm 1.5V 10% linearity VL4 ±150 ppm Minimum 2.50 Vdc ±2.0V 10% linearity 5 0 2) ±100 PPM minimum total at center VC AGING: 3 ppm/year Max after 1st year HCMOS 30 pF max LOAD: #5 #4 #6 LOGIC "0": 0.4 Vdc max. sinking 3.2 mA EXTERNAL 90% Vdd min. souring 0.8 mA LOGIC "1": .01 uF between **INPUT CURRENT:** <25 mA 3.3 Vdc (VL1) B+ and Ground <40 mA 5.0 Vdc (VL2) Tr and Tf <6 ns maximum PAD 1 = VCPAD 4 = Output START-UP: <4 ms typical PAD 2 = Tri-State PAD 5 = NC PAD 6 = B+PAD 3 = Ground

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